



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 2553

<b>SERIAL NUMBER</b> 10/689,409	<b>FILING OR 371(c) DATE</b> 10/20/2003 <b>RULE</b>	<b>CLASS</b> 382	<b>GROUP ART UNIT</b> 2632	<b>ATTORNEY DOCKET NO.</b> 02CR239/KE
------------------------------------	---	---------------------	-------------------------------	--

## APPLICANTS

Ronald A. Ferrante, Cedar Rapids, IA;  
 Timothy W. Rand, Cedar Rapids, IA;  
 Mark J. Nimmer, Marion, IA;

\*\* CONTINUING DATA \*\*\*\*\*

None ric

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

None ric

IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\*  
 01/20/2004

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature <i>[Signature]</i> Initials <i>ric</i>	<b>STATE OR COUNTRY</b> IA	<b>SHEETS DRAWING</b> 11	<b>TOTAL CLAIMS</b> 19	<b>INDEPENDENT CLAIMS</b> 3
--	--	-------------------------------	-----------------------------	---------------------------	--------------------------------

## ADDRESS

Rockwell Collins, Inc.  
 Attention: Kyle Epele  
 M/S 124-323  
 400 Collins Rd. NE  
 Cedar Rapids, IA52498

## TITLE

Method and apparatus for enhancing a degraded digital image

<b>FILING FEE RECEIVED</b> 770	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------------	---	---